



CRF Problem Report

The Scientific and Technical Information Center (STIC) experienced a problem when processing the following computer readable form (CRF):

Application Serial Number: 10/763,712
Filing Date: 11/2/04
Date Processed by STIC: 2/3/04

STIC Contact: Mark Spencer: Telephone: 703-308-4212; Fax: 703-308-4221
Effective 12/13/03: Telephone: 571-272-2510; Fax: 571-273-0221

Nature of Problem:

The CRF (was):

- ☐ (circle one) Damaged or Unreadable (for Unreadable, see attached)
☐ Blank (no files on CRF) (see attached)
☐ Empty file (filename present, but no bytes in file) (see attached)
☐ Virus-infected. Virus name: _____ The STIC will not process the CRF.
☐ Not saved in ASCII text
☐ Sequence Listing was embedded in the file. According to Sequence Rules, submitted file should **only** be the Sequence Listing.
☒ Did not contain a Sequence Listing. (see attached sample)
☐ Other: _____

**PLEASE USE THE CHECKER VERSION 4.1 PROGRAM TO REDUCE ERRORS.
SEE BELOW FOR ADDRESS:**

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

10/763 712
2/3/04
IFWO

SEQUENCE LISTING

SEQ ID NO 1: Clostridium pasteurianum hydrogenase; Genbank accession number

M81737 gi:144835

MKTIINGVQFNTDEDTTILKFARDNNIDISALCFLNNCNNDINKCEICTVEVEGTG
LVTACDTLIEDGMIINTNSDAVNEKIKSRISQLLDIHEFKCGPCNRRENCEFLKLVI
KYKARASKPFLPKDKTEYVDERSKSLTVDR TKCLLCGRCVNACGKNTETYAMK
FLNKNKGKTIIGAEDKCFDDTNCLLCGQCHACPVAAALSEKSHMDRVKNALNAPE
KHVIVAMAPSVRASIGELFNMGFGVDVTGKIYTALRQLGFDKIFDINFGADMTIM
EEATELVQRIENNGPFPMTSCCPGWVRQAENYYPELLNNLSSAKSPQQIFGTAS
KTYYPSSISGLDPKNVFTVTVMPTSKKFEADRPQMEKDGLRDIDAVITTRELAK
MIKDAKIPFAKLEDSEADPAMGEYSGAGAI FGATGGVMEAAALRSKDFAEANAEL
EDIEYKQVRGLNGIKEAEVEINNNKYNVAVINGASNLFKFMKSGMINEKQYHFIE
VMACHGGCVNGGGQPHVNP KDLEKVDIKKVRASVLYNQDEHLSKRKSHENTA
LVKMYQNYFGKPGEGRAHEILHFKYKK

Please see Attached
Sample Sequence Listings!

<110> Smith, John; Smithgene Inc.

<120> Example of a Sequence Listing

<130> 01-00001

<140> PCT/EP98/00001

<151> 1998-12-31

<150> US 08/999,999

<151> 1997-10-15

<160>

<170> PatentIn version 2.0

<210>

1

<211>

309

<212>

DNA

<213>

Paramecium sp.

<220>

<221>

CDS

<222>

(279) ... (389)

<300>

<301>

Doc. Richard

<302>

Isolation and Characterization of a Gene Encoding a
Protease from Paramecium sp.

<303>

Journal of Genes

<304>

1

<305>

4

<306>

1-7

<307>

1988-06-31

<308>

123456

<309>

1988-06-31

<400>

1

agctgtagtc attctgtgtt cctcttctct ctgggcttcc taccctgcta atcagatctc

60

agggagagtg tcttgacctt cctctgctct tgcagcttca caggcaggcc ggcaggcagc

120

tgaatgtggca attgtctggca gtgccacagg ctttctagcc aggccttaggg tgggttccgc

180

cgcggcgcgg cggccctctt cgcgtctctt tcgcgcctct ctctcgtctt cctctcgtct

240

[Annex VIII follows]

3

"Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOs	Count includes total number of SEQ ID NOs	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO: #:	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

RNA, or RNA (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the <220> to <223> feature section.

<213> Organism

Scientific name, i.e. Genus/species. Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section.

<220> Feature

Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence.

M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.

<221> Name/Key

Provide appropriate identifiers for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6

M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence

<222> Location

Specify location within sequence; where appropriate state number of first and last bases/amino acids

M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified

5

<22>

Other Information

Other relevant information;
four lines maximum

under the following conditions:
if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA;

<300>

Publication Information

Leave blank after <300>

0

<301>

Authors

Preferably max. of ten named authors of publication; specify one name per line; preferable format: Surname, Other Names and/or Initials

0

<302>

Title

0

<303>

Journal

0

<304>

Volume

0

<305>

Issue

0

<306>

Pages

0

<307>

Date

Journal date on which data published; specify as yyyy-mm-dd, 1001-yyyy or Season-yyyy

0

<308>

Database Accession Number

Accession number assigned by database including database name

0

<309>

Database Entry Date

Date of entry in database; specify as yyyy-mm-dd or 1001-yyyy

0

<310>

Patent Document Number

Document number; for patent-type citations only. Specify as, for example, US 07/999,999

0

specify as yyyy-mm-dd

<312>

Publication Date

Document publication
date, for
patent-type
citations only;
specify as yyyy-mm-dd

0

<313>

Relevant
Residues

FROM (position) TO
(position)

0

<400>

Sequence

\$EQ ID NO should
follow the
numeric identifier
and should appear
on the line pre-
ceding the actual
sequence

M

5. Section 1.024 is revised to read as follows:

1.024 Form and format for nucleotide and/or amino acid sequence submissions in computer readable form.

(a) The computer readable form required by 1.021(c) shall meet the following specifications:

(1) The computer readable form shall contain a single "Sequence Listing" as either a diskette, series of diskettes, or other permissible media outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be submitted in American Standard Code for Information Interchange (ASCII) text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word processors, nucleotide/amino acid sequence editors or other custom computer programs, however, it shall conform to all specifications detailed in this section.

(4) File compression is acceptable when using diskette media, so long as the compressed file is in a self-extracting format that will decompress on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form version of the "Sequence Listing" file.

(6) All computer readable forms shall have a label permanently affixed thereto on which has been hand-printed or typed: the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form, the operating system used, a reference number, and an application serial number and filing date, if known.

(b) Computer readable form submissions must meet these format requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;

1/29/79 1:51 PM